BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
		0786.00	
		53150.00	
		20786.00	
		2080.00	
		5505.00	
		132307.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209853

Serial No. 1st and final Bill BR-417/27 8/16 S.B.R.No/125/2016-17

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency 26/8/16

Date of commencement of work ..... D.O. Recording :- 22/08/2016

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Name of Work = Improvements to Roads and drains at Devappa Layout, Manjunatha Block, Doddanchappa Layout, Raghavendra Layout in Ward No. 11, Vidyaranyapura sub-Division,						
	Estimated cost Rs 49.00 Lakhs.						
	IOB. No = 011-16-000009						
	Work order No = EE/BTP/BBMP/E-PROC/01(17835)/WO/192/2015-16 Dt. 03-02-2016						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Date of commencement = 04.02.2016						
	Date of completion = 25/07/2016						
	(1) Earthwork excavation by manual means in ordinary soil including an average horizontal throw upto 2 m and an average lift upto 0.50 m, Excavated surface levelled and sides neatly dressed, the disposed earth also levelled neatly after breaking clods etc complete as per specifications and directions of Engineer-in-charge of work.						
	Qty as per this M.B. p.No. 209885						
		# No. (1) =			555.00 y^3 @ 70/y^3		38850.00

Serial No. .....
Name of Work .....
Name of Contractor of nature of A
Date of commencement of work .

Date	Full description, etc, of
1	2
	(2) Providing and la mix 1:4:8 (1 down 8:20 q 0.85 y^3 and fo laid in layers fundation and p Hand mixed and directio

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
6			
6			
mensions ordinary			
d throw upto 2			
, Excavated surface			
disposed Earth upto			
Complete as per			
s-charge of Work.			
B. P.No. 209885			
555.00 yd^3 @70/yd^3		38850.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209854

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	(2) Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm nominal down size graded granite metal coarse aggregate @ 0.85 yd^3 and fine aggregate @ 0.57 yd^3 machine mixed, concrete laid in layers not exceeding 150mms, thoroughly compacted in foundations and plinths, including costing all materials, labour, hiring machinery, curing all complete as per specifications and directions of Engineer-in-charge of work.						
	Qty vide this M.B.P. 209888						18,60,746.00

Tot no. (2) = 404.51 yd^3 @ 4600/yd^3

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(3)	Providing and laying cement concrete using 20mm and down size granite jelly of Ready mixed concrete (RMC) for RCC Works laid in 15cms thick layers and well Compacted vibrating, curing, finishing with necessary cement mortar, formwork, and Scaffoldings to withstand pumping of concrete with all lead and lifts etc complete for Raft foundation, column footing, mains and secondary beams etc Complete as per specifications and directions of Engineer-in-Charge of Work:						
	Concrete Road:						
	(a) Munneshwara Block 2nd Cross. to SWD	1	30.60	$\frac{3.4+4.1}{2}$	0.10	11.25	
	(0.00 to 75.70mt)						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
	(b) - 1st Cross - Road	
	(c) - Maniyanna Block Cross. Road	
	(d) Cross Road	
	27/6	

NT BOOK

Dimensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
...ulder wise 20 mm of mixed concrete (RMC) layers and well ...y with necessary ... to withstand pumping ...mplete for Rath ...ending benches ...rections of Engineer-in-				
...4+4.1 / 2	0.10		11.25	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209855

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	(b) - 2nd CROSS - Road	1	30.40	4.1+4.2 / 2	0.10	12.45	
		1	15.70	4.2+4.3 / 2	0.10	6.67	
		1	30.40	3.0+4.2 / 2	0.10	10.80	
	(c) - Maniyama Block CROSS. Road	1	29.40	4.2+4.9 / 2	0.10	13.20	
		1	15.10	3.2+2.8 / 2	0.10	4.53	
	(d) CROSS Road	1	30.40	4.6+4.2 / 2	0.10	13.20	
		1	9.40	4.2+2.9 / 2	0.10	3.65	
		1	7.50	4.60	0.10	3.45	
		1	2.40	2.40	0.10	0.40	
	27/8						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CROSS - Road L/S Internal Road - 1	1	23.00	$\frac{4.2+4.3}{2}$	0.10	= 9.78	
	—"— Road - 2	1	16.30	$\frac{4.1+3.8}{2}$	0.10	= 6.44	
		1	13.50	$\frac{2.6+3.6}{2}$	0.10	= 4.19	
Checked.	1st CROSS - L/S	1	28.90	$\frac{4.5+4.4}{2}$	0.102	12.86	
	2nd —"—	1	26.50	$\frac{3.3+3.2}{2}$	0.10	= 8.61	
	3rd —"—	1	12.20	$\frac{4.8+3.8}{2}$	0.10	= 5.25	
	Mariyamma Block - R/S 1st CROSS -	1	30.00	$\frac{4.5+4.4}{2}$	0.10	= 13.65	
	—"— 2nd CR R/S	1	8.80	$\frac{4.6+4.8}{2}$	0.10	= 4.00	
		1	30.00	$\frac{4.6+4.5}{2}$	0.10	= 13.65	
	—"— 3rd CR. R/S	1	9.20	$\frac{4.3+4.5}{2}$	0.10	= 4.37	
		1	26.50	$\frac{4.4+4.5}{2}$	0.10	= 12.72	
	1st CROSS Mariyamma Block	1	30.00	$\frac{2.7+2.8}{2}$	0.10	= 8.25	

Serial No. .....
Name of Work .....
Name of Contractor of nature of
Date of commencement of work

Date	Full description, etc, o
1	2
	2-d CROSS Ma Blo
	4th CROSS —
	5th CROSS —

AEE (VRP)S

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
$\frac{4.3+4.3}{2}$	0.10	= 9.78	
$\frac{3.8+3.8}{2}$	0.10	= 6.44	
$\frac{3.6+3.6}{2}$	0.10	= 4.19	
$\frac{4.4+4.4}{2}$	0.102	12.86	
$\frac{3.2+3.2}{2}$	0.10	= 8.61	
$\frac{3.8+3.8}{2}$	0.10	= 5.25	
$\frac{4.5+4.4}{2}$	0.10	= 13.60	
$\frac{4.6+4.6}{2}$	0.10	= 4.60	
$\frac{4.6+4.5}{2}$	0.10	= 13.65	
$\frac{4.5+4.5}{2}$	0.10	= 4.37	
$\frac{4.4+4.5}{2}$	0.10	= 12.72	
$\frac{2.7+2.8}{2}$	0.10	= 8.25	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209856

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	2-d cross Mariyamma Block	1	10.20	$\frac{2.8+2.8}{2}$	0.10	= 2.86	
		1	30.60	3.70	0.10	= 11.10	
		1	30.60	$\frac{3.7+3.6}{2}$	0.10	= 10.65	
	4th cross	1	30.60	4.30	0.10	= 13.50	
		1	28.60	$\frac{4.3+4.2}{2}$	0.10	= 12.18	
	5th cross	1	30.60	$\frac{4.0+4.0}{2}$	0.10	= 12.10	
		1	28.60	$\frac{4.1+4.0}{2}$	0.10	= 11.33	
						257.134	135000.00
						1	1
						4th 250.00	
						@5400/m	

4th cross
Mahesh 15/6
AEE (VRP) SD

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		d other incidental specifications concrete cations and directi	
-	-	28.00	
-	-	33.00	
-	-	28.00	
-	-	24.00	
-	-	30.00	
-	-	28.00	
-	-	9.00	
-	-	9.00	
-	-	30.20	
-	-	20.00	23900.00

100/m 239.00 sqm

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209859

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	(b) Providing and laying in position reinforced cement concrete using mix M-20 with OPC cement @ 320 kg/m³ with 20mm nominal down size graded granite metal coarse aggregate @ 0.878 m³ and fine aggregate @ 0.459 m³ with super plasticizer @ 3 lts confirming to IS-9103-1999 re-affirmed-2008, machine mixed concrete laid in layers not exceeding 150mm thick, vibrated in all works, including finishing, plastering of G floor for Ramp slabs staircase, lintels, retaining walls, including attached pilasters						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	columns, piers, abutments, pillars, posts, struts buttresses, string or lacing courses, parapets, coping bed blocks, anchor block &, plain Windows Cills, fillets etc including costing all materials, labour, hiring machinery, curing etc complete as per specifications and directions of Engineer-in-charge of the work.						
	(a) Doddachanapura Layout Kaltur Lyout c.c. drain R/s Bottom. C.S	1	24.10	1.00	0.15	3.62	
	(b) —"— 2/s	1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	25.00	1.00	0.15	3.75	
		1	5.40	1.00	0.15	0.81	
	(c) - CC. curves Muniyamma Block. CD1	1	4.60	1.20	0.20	1.12	
						18.30	

27/8

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Muniyamma Block. 2/s
	—"— CD2
	—"— CD3
	CD4
	Muniyamma Block CD5
	R/s CD6
	" CD7
	(d) C.C. drain Wall — Doddachanapura Layout R/s
	—"— 2/s
	—"—
	—"—

27/8

NT BOOK

nensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
sts, Struts buttresses,			
ing bed blocks, anchors			
etc including costing			
ency, curing etc			
rections of Engineer-			
1.60	0.15 =	3.62	
1.00	0.15 =	4.50	
1.00	0.15 =	4.50	
.00	0.15 =	3.75	
00	0.15 =	0.81	
.20	0.20 =	1.12	

18.30 m³

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209860

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents B/d = 18.3 7	Reference to last Measurement 8
	Maniyamma Block. RJ	1	4.30	1.20	0.15	0.83	
	" CD2	1	3.70	1.30	0.15	0.72	
	" CD3	1	3.60	1.30	0.15	0.70	
	CD4	1	4.50	1.30	0.15	0.87	
	Maniyamma Block CD5	1	5.20	1.30	0.15	1.01	
	RJ CD6	1	5.90	1.30	0.15	1.15	
	" CD7	2×1	24.10	0.15	0.60	4.34	
(d)	C.C. drains Wall —						
	Doddachanna Layout RJ	2×1	30.60	0.15	0.60	5.50	
	" RJ	2×1	30.60	0.15	0.65	5.80	
	"	2×1	25.60	0.15	0.65	4.88	
	" 27/8	2×1	5.40	0.15	0.60	1.05	

45.54 m³

BOOK

ions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
0.30	0.90	2.57	
0.35	0.90	2.70	
0.35	0.90	2.33	
0.35	0.90	2.26	
0.35	0.90	2.83	
0.35	0.90	3.40	
0.35	0.90	3.71	
0.20	0.23	1.28	
0.20	0.23	1.19	
0.20	0.10	0.33	
0.20	0.10	0.32	
1.20	0.23	1.24	
0.20	0.23	1.44	
		71.10 Kgs	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209861

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	CD7	1	5.90	1.20	0.23 =	1.63	
	Main Road dhs	1	10.00	0.90	0.10 =	0.90	
		1	18	0.90	0.10 =	1.62	
		1	28.00	0.75	0.10 =	3.10	
		2	28.00	0.15	0.45 =	3.78	49,081.00
						82.26 Kgs	
					Unit	81.00 Kgs @ 60.00	38/-
(5)	Bending two. steel reinforcement for R.C work including straighty, cutting, bending hooks, placing in positions lapping and welding wherever required, tying with						

AEE (VRP) SD

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	binding wire and anchoring to the adjoining members wherever necessary complete as per design, costing materials, labour, hoisting, erecting complete as per specifications, specification no- KBS 4-6.3 TMT Bars fe 500 etc complete as per specifications and directions of Engineer-in-charge of work						
	Qty vide this MB. p 209892 = 374220.00						
	It no (3) = 4.86 mt @ 77000/mt						
(8)	Providing and removing centering, shuttering, strutting propping etc and removal of formwork for flat surface such as suspended floors, Roof, landings						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nur
1	2	
	balconies and like, this costing all materials, specifications and direct work.	
	9) Lead for disposal of Consigt rate by mech and unloading etc charg	

NT BOOK

ensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
			gony members pir design, castings ing complete as per 4-6-3 THT Bangl ations and directions de this MB. P 209892	374220.00
			4.86 mts @ 77000/mts	
			shuttering, Strutting use for flats , Roof, landings	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209862

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	balconies and likes, thickness upto 200 mm including costing all materials, labour etc complete as per specifications and directions of Engineer-in-charge of work.						
			Qty vide this MB. P 209892				
			1st no ③ = 64 mts @ 300/mts			192000.00	
	9) Lead for disposal of debris shall be payable at carriage rate by mechanical means including loading and unloading etc complete as per specifications and						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	directions of Engineer - In - charge of work.						
	Qty vide M no. ①					520 m³ @ 70.00/m³	36400.00
						Total Rs.	45,88,696.78
	Certificate						
	① Certified that the contractor works done satisfactorily.						
	② The contractor removed the debris from work site.						
	do 22/08						
							AEE (VRP) SD 22/8/16

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of wo
1	2

OOK

h	Depth 6	Contents 7	Reference to last Measurement 8
		Works.	
		70.00 = 52043	
		@ 70.00/-	36400.00
		Total Rs.	45,88,696.78

done

done

AEE (VRP) SD

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209863

Serial No. .....
Name of Work ..... From ..... To .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Kalthur Layout - Church Road			7.5			
	Road down			3.00			
				3.00		22.50	
				7.5		2nd CRun	
				3.00			
				3.00			
				7.5	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	12.20m		26.50				
	39.20						
	28.80m		38.80m				
	W0582						
	W0580					Mortaring Black	
	13.50m						
	W0592		W0596			Concrete Roads	
	W0598		34.00				
	W0600						
	I0142 W0600						
				15.10			
	22/08		W0614				

Serial No. .....
Name of Work .....
Name of Contract ..... of Agency
Date of commenc... ork .....

Date	Full description, etc, of work
1	2

Audited & A
427
and Rs
Accts
Byatarayan
BBMP

AEE (VRP) SI

NT BOOK

ensions Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8

yarums Block

596 Concrete Roads

no

5.10

CD

AEE (VRP) SI

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209864

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8

Audited & Admitted for Rs 4588690-00

4271480-

and Rs 317210-

Accts Supdt.
Byatarayanapura Dn.
BBMP

Asst Engineer
Byatarayanapura Dn.
BBMP.

21/8

IT - 45890.00

VAT - 183550.00

SWF - 45890.00

CBF - 4590.00

LP - 37290

Total Add'l 317210-